

New SOS

**** Reference cited in IDS filed on 7/23/01**

Sheet 1 of 3

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Sheet 2 of 3

<div style="text-align: right; margin-bottom: 10px;">2004 U.S. PATENT AND TRADEMARK OFFICE</div> <p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO. I-2-0032.3US</p> <p>APPLICANT Donald L. Schilling</p> <p>FILING DATE April 27, 2001</p>	<p>SERIAL NO. 09/843,520</p> <p>GROUP 2631</p>
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JK	**	EP0265178	04/27/88	Europe				
JK	**	WO 91/15071	10/3/91	PCT				
JK	**	EP0392079	10/17/90	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JG</i>	**	Salmasi; et al., On the System Design Aspects of Code Division Multiple Access (CDMA) Applied to Digital Cellular and Personal Communication Networks" IEEE Vehicle Technology Conference, 19-22 May 1991, pages 57-62.
<i>JG</i>	**	Dixon, Robert C., Spread Spectrum Systems (John Wiley & Sons, Inc.: New York, 3d ed. 1994), pp. 412-413.
<i>JG</i>	**	The International Dictionary of Physics and Electronics (D. Van Nostrand Co.: Princeton, NJ, 2d ed. 1961), pp 612, 952.

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Sheet 3 of 3



FORM PTO-1449		ATTY. DOCKET NO. I-2-0032.3US	SERIAL NO. 09/843,520
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Donald L. Schilling	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		FILING DATE April 27, 2001	GROUP 2631

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
96	"	Alavi, Hossein, Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System (1984) (Unpublished Ph.D. Dissertation, Michigan State University).
96	"	M.B. Pursley, Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication - Part I: System Analysis @, IEEE Transactions on Communications, Com-25, No. 8, August, 1997.
96	"	J.M. Holtzman, A Simple, Accurate Method To Calculate Spread-Spectrum Multiple-Access Error Probabilities @, IEEE Transactions on Communications, Vol. 40, No. 3, March 1992.
96	"	Ormondroyd, R.F., Power Control for Spread-Spectrum Systems, @ Conference on Communications Equipment and Systems, 20-22, April 1982, pp. 109-115.
96	"	IS95, Section 7.1.3.1.7 and Fig. 7.1.3.1.7-2

EXAMINER	DATE CONSIDERED
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
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ATTY. DOCKET NO.
I-2-32.3USSERIAL NO.
09/843,520APPLICANT
Donald L. SchillingFILING DATE
April 27, 2001GROUP
2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JG	AA*	3	8	3	1	0	1	3	8/74	Alsup et al.			
JL	AB*	3	8	3	8	3	4	2	9/74	Bjorkman			
JL	AC*	3	9	0	0	7	2	1	8/75	Speiser et al.			
JF	AD*	4	1	1	2	3	7	2	9/78	Holmes et al.			
JL	AE*	4	1	8	9	6	7	7	2/80	Cooper et al.			
JL	AF*	4	1	9	3	0	3	1	3/80	Cooper			
JL	AG*	4	2	2	2	1	1	5	9/80	Cooper et al.			
JG	AH*	4	2	3	8	8	5	0	12/80	Vance			
JG	AI*	4	2	4	7	9	4	2	1/81	Hauer			
JL	AJ*	4	2	8	5	0	6	0	8/81	Cobb et al.			
JL	AK*	4	3	9	2	2	3	2	7/83	Andren et al.			
JG	AL*	4	4	1	8	3	9	3	11/83	Zscheile, Jr.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
JL	AM*	2	2	2	9	6	0	9	9/90	Great Britain					
JL	AN*	9	1	0	7	0	3	7		PCT					

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AJ

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JL	AO*	Fluhr, Z.C. and Porter, P.T., "Advanced Mobile Phone Service: Control Architecture", The Bell system Technical Journal (Jan. 1979), Vol. 58, No. 1, pp. 43-69.	A
EXAMINER	<i>JL</i>	DATE CONSIDERED	<i>11/8/04</i>

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GG	AP*	4	4	1	8	4	2	5	11/83	Fennel, Jr. et al.			
GG	AQ*	4	4	2	5	6	4	2	1/84	Moses et al.			
GG	AR*	4	4	5	5	6	5	1	6/84	Baran			
GG	AS*	4	4	7	9	2	2	6	10/84	Prabhu et al.			
GL	AT*	4	4	8	4	3	3	5	11/84	Mosley et al.			
GG	AU*	4	5	1	2	0	1	3	4/85	Nash et al.			
GG	AV*	4	5	2	3	3	1	1	6/85	Lee et al.			
GL	AW*	4	5	3	8	2	8	0	8/85	Mosley, Jr. et al.			
GG	AX*	4	5	5	3	1	3	0	11/85	Kato			
GG	AY*	4	5	6	3	7	7	4	1/86	Gloge			
GG	AZ*	4	6	0	6	0	3	9	8/96	Nicolas et al.			
GL	BA*	4	6	1	2	6	3	7	9/86	Davis et al.			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
GG	BB*	8	6	0	0	4	8	6		PCT					
GG	BC*	0	2	6	5	1	7	8	4/88	Europe					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BD*	DeGaudenzi, R. and Viola, R., "A Novel Code Division Multiple Access System for High Capacity Mobile Communications Satellites", ESA Journal (1989), Vol. 13, pp. 303-322.	?
BE*	Stiffler, J.J., Theory of Synchronous Communications (Prentice-Hall, Inc., New Jersey), table of contents listing.	?

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JB</i>	BF*	4	6	2	1	3	6	5	11/86	Chiu			
<i>JB</i>	BG*	4	6	3	9	9	1	4	1/87	Winters			
<i>JB</i>	BH*	4	6	4	1	3	2	2	2/87	Hasegawa			
<i>JB</i>	BI*	4	6	4	7	8	6	3	3/87	Skudera, Jr. et al.			
<i>JB</i>	BJ*	4	6	4	9	5	4	9	3/87	Halpern et al.			
<i>JB</i>	BK*	4	6	5	3	0	6	9	3/87	Roeder			
<i>JB</i>	BL*	4	6	6	0	1	6	4	4/87	Leibowitz			
<i>JB</i>	BM*	4	6	7	2	6	0	5	6/87	Hustig et al.			
<i>JB</i>	BN*	4	6	7	2	6	2	9	6/87	Beier			
<i>JB</i>	BO*	4	6	7	2	6	5	8	6/87	Kavehrad et al.			
<i>JB</i>	BP*	4	6	7	5	8	3	9	6/87	Kerr			
<i>JB</i>	BQ*	4	6	8	0	7	8	5	7/87	Akiyama et al.			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
<i>JB</i>	BR*	9	1	1	5	0	7	1	10/91	PCT					
<i>JB</i>	BS*	0	3	9	2	0	79	A2	10/90	EPO					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JB</i>	BT*	Scholtz, Robert A., "The Origins of Spread-Spectrum Communications", IEEE Transactions on Communications (May 1982), Vol. Com. 30, No. 5; pp. 822-855.
	BU*	Nettleton, Raymond W., Spectral Efficiency in Cellular Land-Mobile Communications: A Spread-Spectrum Approach (1978) (unpublished Ph.D. Dissertation, Purdue University.

EXAMINER *JB* DATE CONSIDERED *11/15/04*

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APPLICANT Donald L. Schilling	
FILING DATE April 27, 2001	GROUP 2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BV*		4	6	9	1	3	2	6	9/87	Tsuchiya			
BW*		4	6	9	7	2	6	0	9/87	Grauel et al.			
BX*		4	7	0	3	4	7	4	10/87	Foschini et al.			
BY*		4	7	0	7	8	3	9	11/87	Andren et al.			
BZ*		4	7	1	8	0	8	0	1/88	Serrano et al.			
CA*		4	7	3	0	3	4	0	3/88	Frazier, Jr.			
CB*		4	7	4	2	5	1	2	5/88	Akashi et al.			
CC*		4	7	5	5	9	8	3	7/88	Masak et al.			
CD*		4	7	5	9	0	3	4	7/88	Nagazumi			
CE*		4	7	7	5	9	9	5	10/88	Chapman et al.			
CF*		4	7	8	9	9	8	3	12/88	Acampora et al.			
CG*		4	7	9	9	2	5	3	1/89	Stern et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES	NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CH*	Cooper, George R. and Nettleton, Ray, W., "Cellular Mobile Technology: The Great Multiplier," IEEE Spectrum, June 1983, pp. 30-37.	7
CI*	Blasbalg, H., "A Comparison of Pseudo-Noise and Conventional Modulation for Multiple-Access Satellite Communications," IBM Journal of Research Development, Vol. 9, No. 4, Jul. 1965, pp. 241-255.	A
CJ*	Salmasi, et al., "On the System Design Aspects of Code Division Multiple Access (CDMA) Applied to Digital Cellular and Personal Communication Networks" IEEE Vehicle Technology Conference, 19-22 May 1991, pages 57-62	A

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J</i>	CK*	4	8	0	5	2	0	8	2/89	Schwartz			
<i>J</i>	CL*	4	8	0	7	2	2	2	2/89	Amitay			
<i>J</i>	CM*	4	8	1	1	4	2	1	3/89	Havel et al.			
<i>J</i>	CN*	4	8	3	7	8	0	2	6/89	Higashiyama et al.			
<i>J</i>	CO*	4	8	4	3	6	1	2	6/89	Brusch et al.			
<i>J</i>	CP*	4	8	5	0	0	3	6	7/89	Smith			
<i>J</i>	CQ*	4	8	6	0	3	0	7	8/89	Nakayama			
<i>J</i>	CR*	4	8	6	6	7	3	2	9/89	Carey et al.			
<i>J</i>	CS*	4	8	9	4	8	4	2	1/90	Broekhoven et al.			
<i>J</i>	CT*	4	8	9	9	3	6	4	2/90	Akazawa et al.			
<i>J</i>	CU*	4	9	0	1	3	0	7	2/90	Gilhousen et al.			
<i>J</i>	CV*	4	9	1	4	6	5	1	4/90	Lusignan			

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<i>J</i>	CW*		Dixon, Robert C., Spread Spectrum Systems (John Wiley & Sons, Inc.: New York, 3d ed. 1994), pp. 412-413.										<i>A</i>
<i>J</i>	CX*		The International Dictionary of Physics and Electronics (D. Van Nostrand Co.: Princeton, NJ, 2d ed. 1961), pp. 612, 952.										<i>A</i>

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ATTY. DOCKET NO.
I-2-32.3USSERIAL NO.
09/843,520APPLICANT
Donald L. SchillingFILING DATE
April 27, 2001GROUP
2631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
g	CY*	4	9	2	2	5	0	6	5/90	McCallister et al.			
g	CZ*	4	9	3	0	1	4	0	5/90	Cripps et al.			
g	DA*	4	9	3	2	0	3	7	6/90	Simpson et al.			
g	DB*	4	9	5	8	3	5	9	9/90	Kato			
g	DC*	4	9	6	9	1	5	9	11/90	Belcher et al.			
g	DD*	4	9	7	7	5	7	7	12/90	Arthur et al.			JUL 27 2001 Technology Center 2600
g	DE*	4	9	7	7	5	7	8	12/90	Ishigaki et al.			
g	DF*	4	9	9	1	1	6	4	2/91	Casiraghi et al.			
g	DG*	4	9	9	3	0	2	1	2/91	Nannicini et al.			
g	DH*	5	0	0	5	1	6	9	4/91	Brondor et al.			
g	DI*	5	0	1	6	2	5	5	5/91	Dixon et al.			
g	DJ*	5	0	1	6	2	5	6	5/91	Stewart			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DK*		Robinson, Vester, Solid-State Circuit Analysis (Reston Publishing Co.: Reston, VA, 1975), pp. 309-314.
DL*		Alavi, Hossein, Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System (1984) (Unpublished Ph.D. Dissertation, Michigan State University).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D	DM*	5	0	2	2	0	4	7	6/91	Dixon et al.			
J	DN*	5	0	2	3	8	8	7	6/91	Takeuchi et al.			
J	DO*	5	0	2	9	1	8	1	7/91	Endo et al.			
J	DP*	5	0	4	0	2	3	8	8/91	Comroe et al.			
J	DQ*	5	0	4	8	0	5	2	9/91	Hamatsu et al.			
J	DR*	5	0	5	6	1	0	9	10/91	Gilhousen et al.			
J	DS*	5	0	7	3	9	0	0	12/91	Mallinckrodt			
J	DT*	5	0	8	6	5	0	8	2/92	Furuno			
J	DU*	5	0	9	3	8	4	0	3/92	Schilling			
J	DV*	5	1	0	1	5	0	1	3/92	Gilhousen et al.			
J	DW*	5	1	0	3	4	5	9	4/92	Gilhousen et al.			
J	DX*	5	1	0	9	3	9	0	4/92	Gilhousen et al.			
J	DY*	5	1	2	9	0	9	8	7/92	McGirr et al.			

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J	DZ*	M.B. Pursley, "Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication - Part I: System Analysis", IEEE Transactions on Communications, Com-25, No. 8, August, 1997.	A
J	EA*	J.M. Holtzman, "A Simple, Accurate Method To Calculate Spread-Spectrum Multiple-Access Error Probabilities", IEEE Transactions on Communications, Vol. 40, No. 3, March 1992.	A

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ATTY. DOCKET NO.
I-2-323JS

SERIAL NO.
09/843,520

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Donald L. Schilling

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	EJ*	Ormondroyd, R.F., "Power Control for Spread-Spectrum Systems," Conference on Communications Equipment and Systems, 20-22, April 1982, pp. 109-115.
	EK*	Munday & Pinches, "Jaguar-V Frequency-Hopping Radio System," 8049 IEEE Proceedings Section A-B, Vol. 129 (1982), June, No. 3, Part F, Old Woking, Surrey, Great Britain
	EL*	IS95, Section 7.1.3.1.7 and Fig. 7.1.3.1.7-2

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